	Application No.	Applicant(s)
Notice of Allowability	10/675,063	SYLVAIN ET AL.
	Examiner	**Art Unit**	
	YASIN M. BARQADLE	2456	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *6/03/2009*.

2. ☒ The allowed claim(s) is/are *1 and 3-13*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

Examiner's Amendment

1.   An examiner's amendment to the record is attached. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2.   Authorization for this examiner's amendment was given in a telephone interview with Mr. Bill Lee (Reg. 26,935) on September 25, 2009.

3.   **In the specification:**

- Please fill the blanks on page 1 line 5 with 10/675162 and 10/675645 now US Patent 7,593,388

4.   **In the claims:**

- Please amend the claims as attached.

1. (currently amended) ~~A virtual~~ Virtual private network (VPN) gateway apparatus comprising a control processor ~~for interfacing~~ to interface two or more virtual private networks (VPNs) to one or more external networks, the external network or networks having a different addressing scheme or schemes to those of the VPNs, the VPN gateway apparatus having a network address translator (NAT) shared by the VPNs, the NAT comprising a source and destination NAT, ~~for converting~~ to convert VPN addresses of entities within the VPNs to addresses of the external network and to convert addresses of entities

in the external network to internal addresses within an address range of a respective VPN <u>wherein</u> entities in the external networks appear to one of the VPNs to have an address within an address range of the respective VPN,<u> the NAT being arranged to modify source and destination addresses for outgoing packets and pass the packets to an entity in the external network and to reconvert the modified addresses for incoming packets received in response</u>.

2. (cancelled)

3. (currently amended) The VPN gateway <u>apparatus</u> of claim 1, the entities in the external networks comprising at least one of: a call server, a SIP proxy, a web server, a storage server, a video server, a mail server, an H.323 gateway, a telephony client, or a telephony media gateway.

4. (currently amended) The VPN gateway <u>apparatus</u> of claim 1, the external network address used for each VPN entity being unique in the corresponding external network.

5. (currently amended)The VPN gateway <u>apparatus</u> of claim 1 having one or more physical or logical interface ports, and being arranged to determine an identity of each of the VPNs based on which one or more physical or logical interface port on the VPN gateway is used to couple the respective VPN.

6. (currently amended) The VPN gateway <u>apparatus</u> of claim 1, the VPNs each comprising a part of an Internet Protocol (IP) network.

7. (currently amended) The VPN gateway <u>apparatus</u> of claim 6 where the multiple VPNs use overlapping private IP addressing schemes.

8. (currently amended) The VPN gateway <u>apparatus</u> of claim 6, being arranged to provide protocol conversion.

9. (currently amended) The VPN gateway <u>apparatus</u> of claim 1, the VPNs being arranged to use at least one of ATM, Frame Relay, MPLS or IP.

10. (currently amended) The VPN gateway <u>apparatus</u> of claim 1 arranged to couple communication sessions having one end in one of the VPNs and another end in the external network, the sessions being controlled by a server.

11. (currently amended) The VPN gateway <u>apparatus</u> of claim 10, the communication sessions being one of data sessions, telephony calls, or video calls.

12. (currently amended)The VPN gateway <u>apparatus</u> of claim 10, arranged to communicate to the external network entities the VPN identity associated with a given communication session.

13. (currently amended) A method of operating virtual private network (VPN) gateway <u>apparatus</u> , the method comprising: interfacing two or more VPNs to one or more external networks, the external network or networks having different addressing schemes to those of the VPNs, the VPN gateway <u>apparatus</u> having a network address translator (NAT)<u> shared by the VPNs, the NAT comprising a source and destination NAT, to convert </u>VPN addresses of entities within the VPNs to addresses of the external network and <u>to convert</u> addresses of entities in the external network to internal addresses within an address range of a respective VPN, ~~the method~~ ~~having the steps o~~f using the VPN gateway apparatus ~~for passing~~ <u>to pass</u> information between the two or more VPNs and the one or more external networks,<u> including modifying source and</u>

destination addresses for outgoing packets and passing the packets to an entity in the external network and reconverting the modified addresses for incoming packets received in response wherein entities in the external networks appear to one of the VPNs to have an address within an address range of the respective VPN.

14 to 19. (cancelled)

Conclusion

5.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yasin Barqadle whose telephone number is 571-272-3947. The examiner can normally be reached on 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on 571-272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Yasin M Barqadle/

Primary Examiner, Art Unit 2456